

Work Order ID 142117

142117

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Item ID: D3784-043 Accept *N900040100* Setup Start *NS1*
Revision ID: Stop *NS2*
Item Name: Seat Support Assembly, LH
Start Date: 3/4/2016 Start Qty: 4.00 *4* Cust Item ID:
Required Date: 3/10/2016 Req'd Qty: 4.00 *4* Customer:
Reference:

Approvals: Process Plan: Slt Date: 20160226 Tooling: Date: Run Start *NR1*
QC: Date: SPC (Y/N): Date: Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3784	Rev B								
100	Pick Kit	0.00							
100									
Packaging	Memo	0.00							
Packaging									
110	Small Fab	0.00							
110									
Small Fab	Memo	0.02							
Small Fab	1-assemble as per dwg D3784****Note 8: Hole "A" is located 5" from the end of D3770-3 tube and must be oriented up*****Note 8: Hole "B" is located 5" from the end of D3770-1 tube and must be oriented AFT****								
120	QC5- Inspect part completeness to step on W/O	0.00							
120									
QC	Memo	0.00							
Quality Control									

DAS
38
9-88

MAR 02 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Work Order ID 142117***142117***

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Item ID: D3784-043 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Seat Support Assembly, LH
Start Date: 3/4/2016 Start Qty: 4.00 ***4*** Cust Item ID:
Required Date: 3/10/2016 Req'd Qty: 4.00 ***4*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>ST257</u>	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.01							
Quality Control									

2 MLJ 16-03-02

MLJ MAR 03 2016

MLJ MAR 02 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

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Page 1

Work Order ID: 142117

142117

Parent Item: D3784-043

D3784-043

Parent Item Name: Seat Support Assembly, LH

Start Date: 3/4/2016

Required Date: 3/10/2016

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:A 08-05-19 new issue DD verified by:ec
IPP Rev:B 08-07-18 revB as per dwg DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN525-10R20

Purchased

No

110

Each

84.0000

4

16

AN525-10R20

Screw

**

FF

MAR 01 2016

Location

Loc Qty

Loc Code

GA

84

m131305

84

D3763-041

Manufactured

No

110

Each

7.0000

2

8

D3763-041

End Fitting Assembly

**

FF

MAR 01 2016

Location

Loc Qty

Loc Code

ST251

7

127628

1

129983

6

D3763-043

Manufactured

No

110

Each

3.0000

1

4

D3763-043

End Fitting Assembly, LH

**

FF

MAR 01 2016

Location

Loc Qty

Loc Code

ST251

3

123406

3

D3770-1

Manufactured

No

110

Each

4.0000

1

4

D3770-1

Tube

**

FF

MAR 01 2016

Location

Loc Qty

Loc Code

ST254

4

130059

4

Picklist Print

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Work Order ID: 142117

Parent Item: D3784-043

Parent Item Name: Seat Support Assembly, LH

142117

D3784-043

Start Date: 3/4/2016

Required Date: 3/10/2016

Start Qty: 4.00

Required Qty: 4.00

D3770-3 Manufactured No

110 Each 6.0000 1 4

D3770-3

Tube

**

FF

MAR 01 2016

Location

Loc Qty

Loc Code

ST254

6

127767

6

MS21042L3 Purchased No

110 Each 1,688.000 4

MS21042L3

Nut

**

FF

MAR 01 2016

Location

Loc Qty

Loc Code

FP001

163

m133790

163

GA

130

m133790

130

ST304

1395

m134039

1395

NAS1149D0332J Purchased No

110 Each 1,248.000 4

NAS1149D0332J

Washer

**

FF

MAR 01 2016

Location

Loc Qty

Loc Code

CA

14

m129682

14

FP001

44

m129682

44

GA

131

m132677

131

ST260a

600

m133988

600

ST264

459

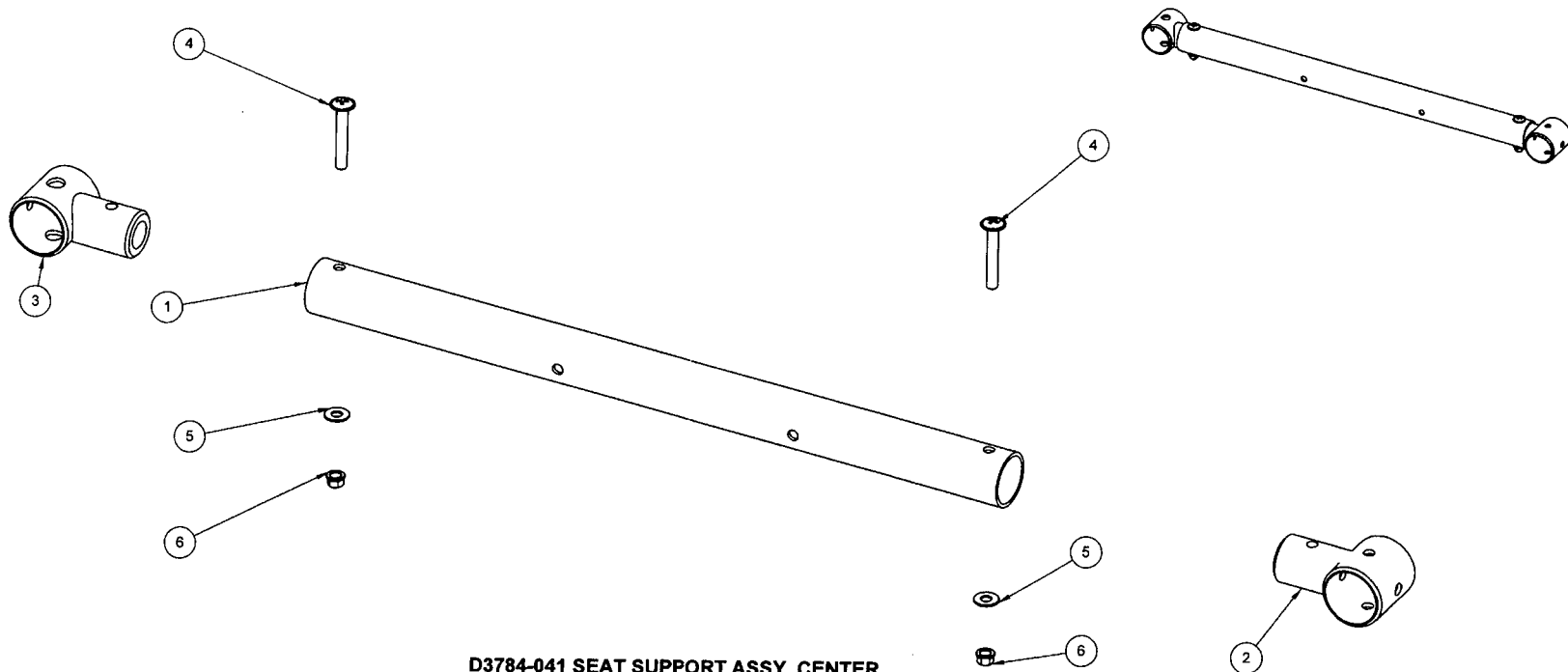
m133498

459

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Shop Packet Print

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D3784-041 SEAT SUPPORT ASSY, CENTER

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-041)
1	D3770-1	TUBE	1
2	D3763-041	END FITTING ASSY	1
3	D3763-045	END FITTING ASSY	1
4	AN525-10R20	SCREW	2
5	NAS1149D0332J	WASHER (AN960JD10L)	2
6	MS21042L3	NUT	2

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△
△
△
△

NOTES:

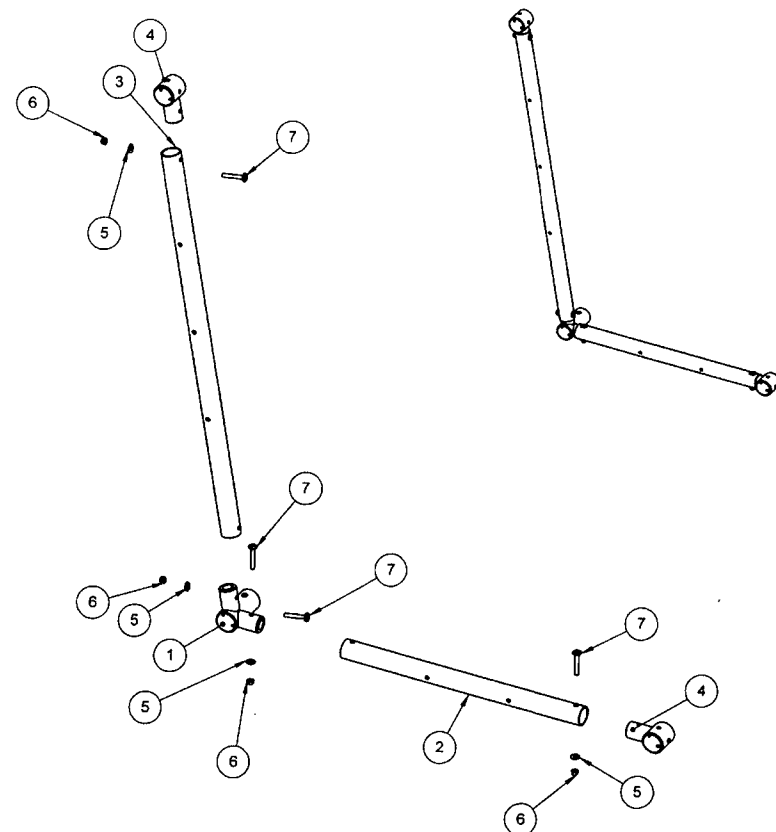
- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.31 lbs

B	HARDWARE CHANGE, ASSY CHANGE	HS	08.06.23
A	NEW ISSUE	HS	08.06.04
REV.	DESCRIPTION	BY	DATE
DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	HS	DRAWING NO.	REV. B
MFG. APPR.	HS	D3784	SHEET 1 OF 5
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	SEAT SUPPORT ASSEMBLY	NTS
DATE	08.06.23	COPYRIGHT © 2008 BY DART AEROSPACE LTD	
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20160226

SA 142117

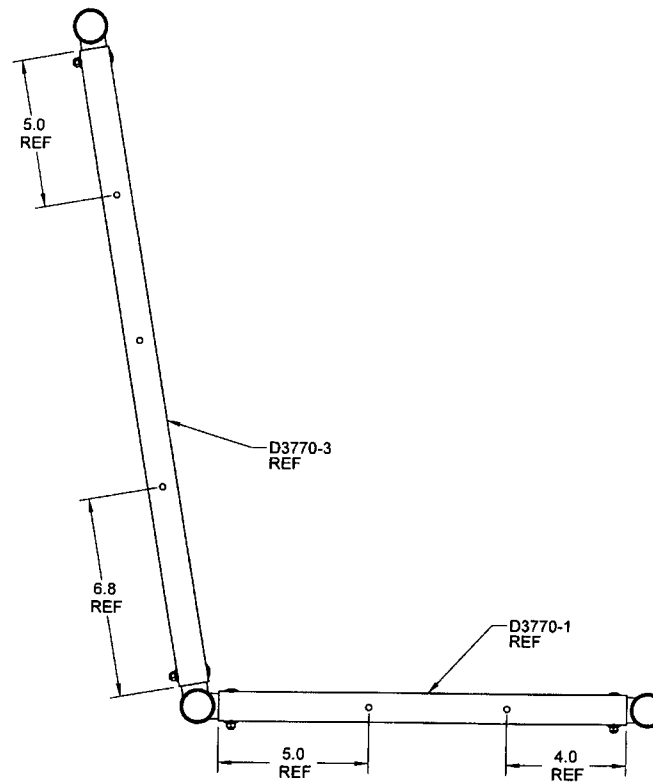
ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-043)
1	D3763-043	END FITTING ASSY, LH	1
2	D3770-1	TUBE	1
3	D3770-3	TUBE	1
4	D3763-041	END FITTING ASSY	2
5	NAS1149D0332J	WASHER (AN960JD10L)	4
6	MS21042L3	NUT	4
7	AN525-10R20	SCREW	4



D3784-043 SEAT SUPPORT ASSY, LH

NOTES:
 1) MATERIAL: N/A
 2) FINISH: N/A
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 6) IDENTIFICATION: N/A
 7) WEIGHT: 0.78 lbs

DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	PA	DRAWING NO.	REV. B
MFG. APPR.	PA	D3784	SHEET 2 OF 5
APPROVED	PA	TITLE	SCALE
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D3784-043 SEAT SUPPORT ASSY, LH

RELEASED
11-08-07-10-1/17

DESIGN	HS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED	BY	DRAWING NO. D3784	REV. B
MFG. APPR.	MP	TITLE SEAT SUPPORT ASSEMBLY	SHEET 3 OF 5
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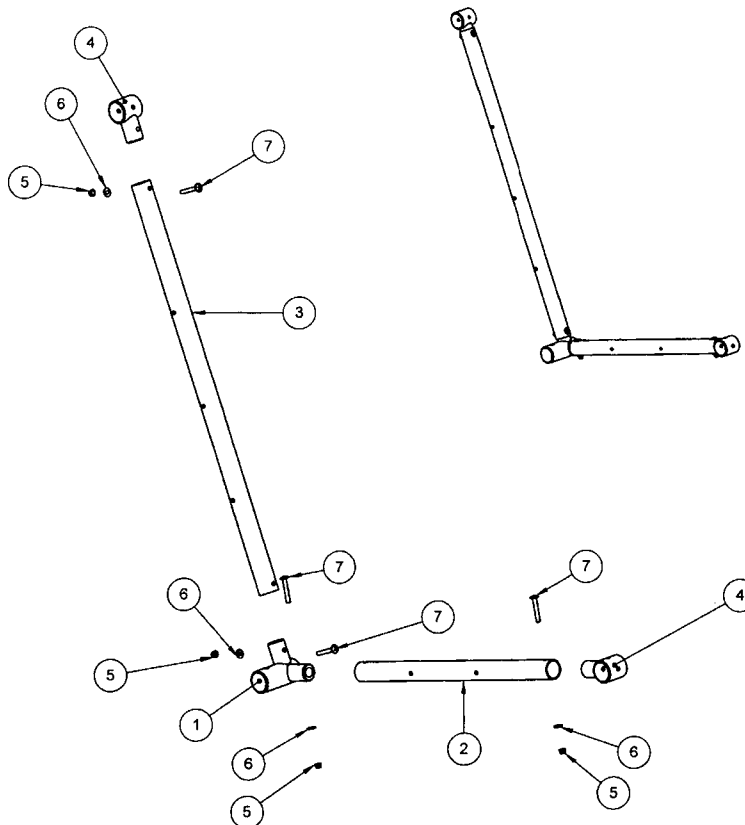
C

B

A

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-044)
1	D3763-044	END FITTING ASSY, RH	1
2	D3770-1	TUBE	1
3	D3770-3	TUBE	1
4	D3763-041	END FITTING ASSY	2
5	MS21042L3	NUT	4
6	NAS1149D0332J	WASHER (AN960JD10L)	4
7	AN525-10R20	SCREW	4

△
B
△
B
△
B



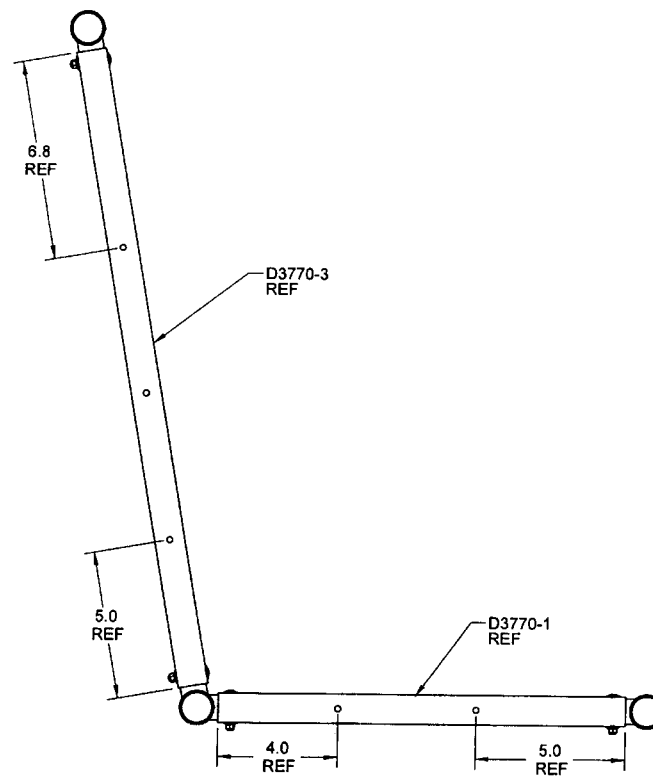
D3784-044 SEAT SUPPORT ASSY, RH

RELEASED
08.06.23

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.78 lbs

DESIGN	HS	DART AEROSPACE LTD	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3784	SHEET 4 OF 5
APPROVED		TITLE	SCALE
DE APPR.		SEAT SUPPORT ASSEMBLY	NTS
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8 7 6 5 4 3 2 1



D3784-044 SEAT SUPPORT ASSY, RH

DESIGN	HS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED	PH	DRAWING NO. D3784	REV. B
MFG. APPR.	PH	TITLE	SHEET 5 OF 5
APPROVED	PH	SEAT SUPPORT ASSEMBLY	SCALE
DE APPR.	PH		NTS
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